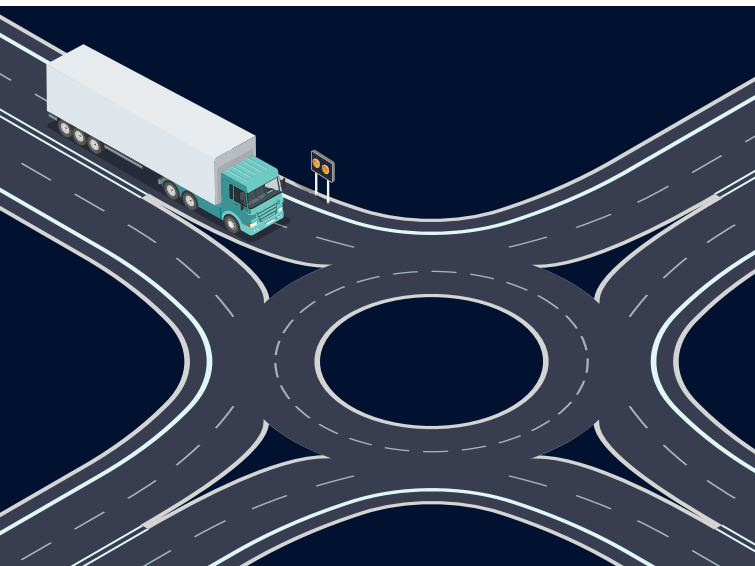


Presence & approach vehicle detection

Product Description

The simple device integration capabilities of STREAMS Device IO provide traffic management centre (TMC) operators with the means to monitor and control a remote sensing and control device.

This information sheet describes the use of STREAMS Device IO in a presence and approach vehicle detection scenario, such as where a vehicle is approaching a hazard that may be obscured.



SCENARIO

Presence & approach vehicle detection

- Presence sensor (vehicle detector) detects approaching vehicle
- Local logic provides warning device operation, Wig-wags and/or illuminated sign
- Driver is warned of need to slow down and take care
- Traffic management centre (TMC) operator is informed via STREAMS that a detection has occurred
- STREAMS monitors and reports on performance

Features

Fully self-contained logic, power, isolation and IO

Two enclosure options

- IP65 Polynova enclosure for indoor or roadside cabinet installations
- Stainless steel wall or pole enclosure for remote applications

Barebones option for existing or client provided enclosures

Suitable in harsh environments

Fully adjustable warning runtime settings via STREAMS override

3G/4G Communications for remote applications

Optional

Interface to STREAMS for monitoring and control providing:

- Alerts for operators via STREAMS GUI schematic, or Alarm Manager
- Access to STREAMS Strategy Manager and Response Plans to set CCTV pre-set or override a dynamic message sign (DMS) message with driver instructions
- Connects via Modbus TCP Protocol.

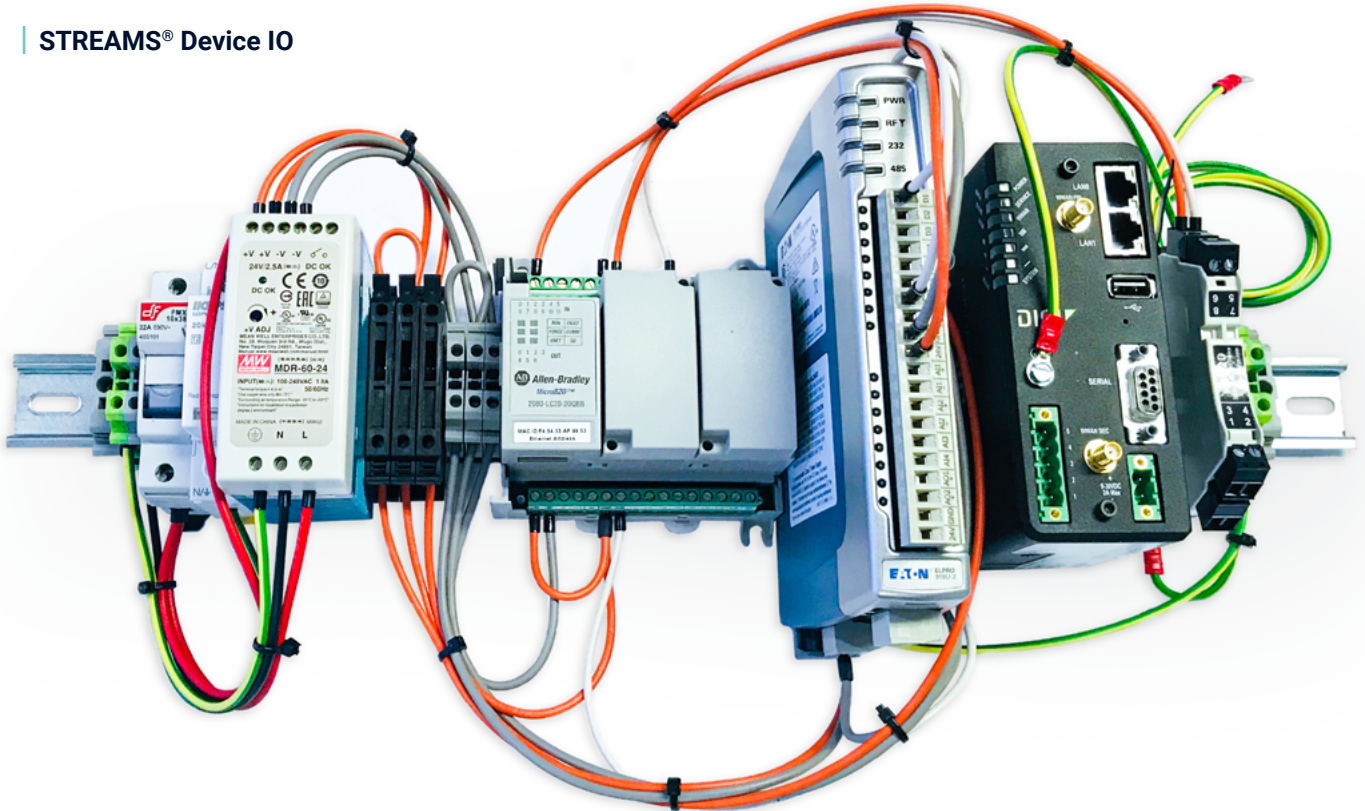
System checks

- Lamp operational current sensing
- Flexible warning timers
- Controllable with an override from STREAMS and locally
- Master DISABLE as an override from STREAMS and locally

Suitable for various other digital and analogue inputs and outputs

Presence & approach vehicle detection

STREAMS® Device IO



Benefits

- Reduced operational costs by removing the need for costly custom software development for new STREAMS drivers.
- Enhanced safety on roads by warning motorists of upcoming hazards.
- Ability to leverage existing features of STREAMS to monitor, visualise and potentially control your device
- Trend and reporting information useful for planning and maintenance.

More information

For more information on other usage scenarios, please refer to the suite of STREAMS Device IO information sheets on the Transmax website.

For more detailed information on the product, including technical specifications, please refer to the [STREAMS Device IO product brochure](#) on the Transmax website.

Contact us

Get in touch with Transmax to find out more about STREAMS Device IO or to place an order.

- 📞 07 3355 8700
- ✉️ varsales@transmax.com.au
- 🌐 www.transmax.com.au

